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NOTICE OF ALLOWANCE AND FEE(S) DUE

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EXAMINER

ALI, HYDER

ART UNIT

PAPER NUMBER

3747

DATE MAILED: 06/18/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,371	03/24/2006	Encho Mihaylov Enchev	IRINI001APC	2196

TITLE OF INVENTION: INTERNAL COMBUSTION ENGINE WITHOUT CONNECTING ROD AND A METHOD OF ITS CONSTRUCTION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	\$0	\$1000	09/18/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

NEW ABSTRACT

The invention relates to the structure of internal combustion engine without a connecting rod and a method of its construction. The proposed method of construction describes the consecutive steps in creating the engine and allows the creation of internal combustion engine without a connecting rod with six and more even number of arc-like units (6) whereat the heating of the opposite arc-like units (6) in the center O.sub.1 of the engine is removed. The complex mounting and dismounting of the engine shaft is eliminated too, because according to the invention the engine shaft is not articulated of several details, but it is whole, uncut. Besides, the possibility is obtained for a change of the revolutions of the engine shaft (11) without reductor in one and the same stroke frequency of the pistons (3) movement by changing only the number of working cylinders of the engine.

Information Disclosure Statement

The listing of references

1. For example: "Star-like aircraft engine cross section named Lajkoming" Eng. Julius Mezkerle, "Vehicle engines with air cooling" page 220, Moscow 1959; translation from Czech into Russian; Nine cylinder aircraft engine "AM -62 HP" Petr S. Labasin, "Aircraft engine AM-62 HP", page 22, Moscow, 1972.
2. Bulgarian authorship certificate No 42948, published in bulletin ~3/15.03.1988.

in the specification is not a proper information disclosure statement. 37

CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be

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incorporated into the specification but must be submitted in a separate paper."

Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: **Art of record does not teach and/or disclose** "a method of construction of internal combustion engine without a connecting rod characterized in that that the number of working crank arms (n1) and the stroke of the pistons (S) in the cylinders are programmed in advance, whereat the number of the crank arms (n1) is an even number, equal to or greater than six, the center (O1) of the engine is marked and depending on the even number chosen of the crank arms (n1) there are drawn such a number of radial beams (fl...fn1) through the center (O1) which form equal central angles among them whereat the radial beams are axis lines of the working cylinders; the basic circumference KI with a center (O1) and a radius R1 is drawn depending on the chosen even number of the crank arms (n1) and the programmed stroke (S) of the pistons, which are connected by the relation $R1 = S/1 - \cos \alpha$ " **as claimed in claim 1.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HYDER ALI whose telephone number is (571) 272-4836. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Kirk Cronin can be reached on (571) 272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hyder AL.
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STEPHEN K. CRONIN
SUPERVISORY PATENT EXAMINER